: SADDLE, INBOARD, RS, 206

User:

Monday, 11/28/2005 10:21:23 AM

Linda Lacelle

Process Sheet

Customer Job Number

: CU-DAR001 Dart Helicopters Services

: 24582 : 10821

Estimate Number P.O. Number This Issue

: N/A

: 11/28/2005

: NC

: WIA

: 23923

Type

S.O. No. : 1/2(A

Part Number

Material

Drawing Number Project Number

Drawing Name

 D2666 REV. B : N/A

: 12/5/2005

: D26662

Drawing Revision :14

Due Date

Qty:

4 Um:

Each

Written By

Prsht Rev.

First Issue

Previous Run

Checked & Approved By

Comment

00.11.01 Removed P/O for Powder Coat - in house

: MACHINED PARTS

processEC

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

7075-T7351 2X6X6.25

B24890

1.0 2.0 D6101001 HAAS1

HAAS CNC VERTICAL MACHINING #1



Comment: HAAS CNC VERTICAL MACHINING #1

Program batch number.

1-Inspect part number and batch number are programmed correctly. M ocioilog

2-Fixturing W/O No. No.

3-Fixturing Inspection last completed on Ollow by M

4-Machine Step No 1 of Folio and visually inspect as per attached Dimension Sheet

5-Machine Step No 2 of Folio and visually inspect as per attached Dimension Sheet

6-Machine Step No 3 of Folio and visually inspect as per attached Dimension Sheet 7- Deburr 06/01/09

3.0

MILLING CONV.

CONVENTIONAL MILLING MACHINE



Comment: CONVENTIONAL MILLING MACHINE

Machine Keyway and inspect per attached dimension sheet

En obld/09

4.0

QC2

INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE

5.0

QC8

SECOND CHECK



Comment: SECOND CHECK



\overline{JJ}			
Date: 'User:		day, 11/28/2005 10:21:24 AM a Lacelle	Dungana Chast
0301.		•	Process Sheet
	Customer:	CU-DAR001 Dart Helicopters Services	Drawing Name: SADDLE, INBOARD, RS, 206
,	Job Number:	24582	Part Number: D26662
Job	Number:		
Se	q. #:	Machine Or Operation:	Description :
	6.0	HAND FINISHING1	HAND FINISHING RESOURCE #1
	Comme	nt: HAND FINISHING RESOURCE #1	\mathcal{U}
		Acid etch and Alodine as per QSI 005 4.1	SAD 06301514 9
	7.0	POWDER COATING	POWDER COATING
	Comme	nt: POWDER COATING	
		Powder Coat White Gloss (Ref: 4.3.5.1) as	
	8.0	QC3	INSPECT POWDER COAT/CHEMICAL CONVERSION
	Comme	nt: INSPECT POWDER COAT	
	9.0	PACKAGING 1	PACKAGING RESOURCE #1
	Comme	nt: PACKAGING RESOURCE #1	
		Identify and Stock	
	10.0	Location: 367	DOCUMENT CONTROL
	10.0		
	Comme	nt: DOCUMENT CONTROL	
	Commi	Inspection Level 21 San of	/or/18 (4) D No/01/18
Job Co	ompletion		
		1	
İ			
l			

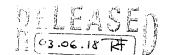
D. V. F AEROSPACE LTD	Work Order:	24582
De ription: 206 Saddle, Inboard, Right side	Part Number.	D2666-2
Inspirction Dwg: D2666 Rev. B		Page 1 of 1

 $lns_{\mu} \approx t$ dimensions highlighted on inspection sheet drawing D2666 Rev. B and record below:

				Recorded Actual Dimensions					
Dia.	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
A	0.100	0.140		6-120	56.124	6.124	6.127		
В	0.100	0.140	·	6.125	0/26	0.127	0.125		
C	0.100	0.140		0.114	0117	0.118	6-123		
Ō	0.210	0.230		6.725	a.270	0.720	0.221		
E	1.245	1.255		1.245	1.245	1.247	1.247		
F	1.245	1.255		1.245	1.245	1.247	1.247		
G	5.990	6.010		6.002	6-002	6003	6.002		
H	0.510	0.515		0.512	0.512	0.512	0.572		
1	1.674	1.684		1.678	1.679	1.677	1.675		
J	2.495	2.505		2.499	2.500	2.499	2.499		
K	0.257	0.262	DT8683	0.755	0.259	0.259	0.255		
L	0.312	0.317	DT8686	0312	o.312	6.317	6.312		
M	0.235	0.240		0237	0.738	o· 237	0.237		
N	0.100	0.140		6.170	0-117	0.116	0.117		
0	0.540	0.560		245.0	0.545	0545	0575		
·P	0.490	0.510		0.496	0.49	0.496	0.494		,
Q	3.609	3.619		3.617	3.612	3.691	36/2		
R	2.470	2.510		2495	2496	2496	2.496	-	
S	0.240	0.270		0.251	0751	0.25	0.257		······································
Ť	0.100	0.180		0.140	0.140	0.140	0.140		
Ū	0.313	0.318	DT8686	2.318		5.31g	0.3/8		
<u> </u>	1.125	1.145	2.000	1,135	1.131	1./3/	1,131		
W	1.565	1.585	DT8695 A/B	-	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1.7 0	1113		
X	1.000	1.000	210000742						
									
-									
A/				 	 				
AB	1		,						
AC AC	<u>; </u>						 		
AD AD									
AE			<u> </u>		 				
AF						,			
<u>Ar</u>	·								
	:								
<u>Ah</u>		ept/Reje							

Measured by:	50		Auc	lited by	J.L	
Date:	06/01/09	3		Date:	06.01.13	

Rev	Date	Change	Revised by	Approved
А		New Issue	RF	
В	99.04.19	Incorporated DSI 9095, DSI 9102 & DSI 9122 Rev. A	RF	
С	99.11.10	Added Dim. R-T	RF .	M
D	02.12.12	Reformat; Added Dim. U-W & DT8683, DT8686 & DT8695 A/B	KJ/RF RF	I AF



٦į

Dart Aerospace Ltd

	WORK ORDER C	WORK ORDER CHANGES						
STEP	PROCEDURE CHANGE By		TEP PROCEDURE CHANGE By		Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	STEP					Approval		

Part No:	PAR #:	Fault Category:	NCR: Yes No	DQA:	Date: 🌭 🕼
			QA: N/C (losed:	Date:

STEP Z	Description of NC Section A There 15 a 0.038" x 0.095" Chamfer on the lower edge of the saddle, below where the slot for the skudbbe ndge	Initial Chief Eng	Corrective Action Section B Action Description Chief Eng Parts are OK	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector
	Section A	Chief Eng	Chief Eng	Date	1		
2	There is a 0.038"x0.095" chamfer on the lawer edge	4	Poly on AV				
	of the saddle, below where the slot for the skidbine ndgo	05.01.09 Per 051042	Tavas are or	E. D 0461/69	V6-01-09	9 06.01.09 pw 951 842	06.01.05

NOTE: Date & initial all entries

Chris Provencal

From: David Shepherd [davids@dartaero.com]
Sent: January 9, 2006 5:18 PM
To: Chris Provencal
Subject: Re: Saddle NCR

Chris,

I think the 0.030 x 0.095 chamfer described below is acceptable because this still leaves about 0.220" of material below the saddle slot. Therefore, these parts are acceptable.

David ---- Original Message -----From: "Chris Provencal" <cprovencal@dartaero.com> To: <davids@dartaero.com> Sent: Monday, January 09, 2006 2:51 PM Subject: Saddle NCR > David, > The problem is regarding the D2666-2 saddles. There's qty (3) like the > picture from the previous email. There is a chamfer that was put on the > bottom edge, near the slot for the skidtube ridge. The chamfer is 0.030" > towards the slot for the skidtube ridge, and I measure 0.095" along the > bottom edge. > Sincerely, > Chris Provencal > DART Aerospace Ltd. > Email..cprovencal@dartaero.com > Phone...613-632-3336 > Fax.....613-632-4443

5/43

DART AEROSPACE LTD.	Work Order :	24582
Description: 206 Saddle, Inboard, Right Side	Part Number:	D2666-2
Drawing: D2666 Rev. B	Qty:	4

Step	Location	Procedure	Ву	Date	Qty
1	EXPEDITING	Issue Work Order	(JA)	75.20	4
		Dwg. not required RF oxlog/16	77	21.10118	7
2	STORES	Issue material from stock: 7075-T7351			
		Cut Size 2.0 x 6.25 X 6.0 Grain Along Long 6.0 Length	me		
		(DG101-001) RF 02/09/16 Batch NO: BZ4890	me	06/01/	<u> 55. Y</u>
3	HAAS	Program part number and batch number.	and	06/01/09	У
4	QC	Inspect part number and batch number are programmed correctly.	MS	06/6/18	7
5	HAAS	Fixturing W/O No. WAA	0	0010710	/
		Fixturing Inspection last completed 06/01/09 by	The	06/01/2	g Y
6	HAAS .	Machine Step No 1 of Folio and visually inspect as per	<u></u>		
		attached Dimension Sheet	25	06011	<u>15</u> 4
7	HAAS	Machine Step No 2 of Folio and visually inspect as per	_	1	
		attached Dimension Sheet	<u>En</u>	obollo	7
8	HAAS	Machine Step No 3 of Folio and visually inspect as per	\mathcal{E}		
1		attached Dimension Sheet	ζņ	66009	4
9	LAGUN	Machine Keyway and inspect per attached dimension sheet	Es	oboil	24
10	METAL	Deburr -	5	-// 1/4	4
		I I I I I I I I I I I I I I I I I I I		odolp9	
11	QC	Inspect Level 1	Ep	colarle	34
12	QC	Inspect Level 8	- T \		1
			J.L	06.01.13	4
13	METAL	Acid etch and Alodine as per QSI 005 4.1	SAD	06.01.119	4
14	FINISHING	Powder Coat High Gloss White (4.3.5.1) per Dart QSI 005 4.3	M	O6 01 16	4
15	QC	Inspect Level 3			
16	STORES	Pack in foam, identify and stock.			,
17	EXPEDITING	Close Work Order Job Cost / Part			
<u> </u>	<u> </u>	1 000 003(7) 4(1)		L	

Rev	Date	Change	Created By	Approved
A	97.07.24	New Issue		
В	98.09.08	Inspection levels, added powder coat	KS	
С	00.11.01	Removed P/O for Powder Coat – in house process	EC	m.

Do Mot Separate the two

RELEASED

© DEC 1 8 2000

Dart Aerospace Ltd

	-									
W/O:			WO	RK ORDER CH	ANGES					
DATE	STEP	PRO	OCEDURE CHAN	IGE		Ву	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector
						,				
			NODK OBDE	D NON CONEC		CE (NCE				
NCR:				R NON-CONFO		JE (NCR	·)			·
DATE	STEP	Description of NC		Corrective Action		Ciam 0	Verific		Approval	Approval
	OIL.	Section A	Initial Design Mgr	Action Descrip Design Mgr	tion	Sign & Date	Section	on C	Design Mgr	QC Inspector
									÷	
										٠,
Part No);	PAR #:	Fault Category	:	NCR:	'es No	DQA:		Date:	
NOTE: D	ate & initia	al all entries				A: N/C CI	osed:		Date:	

H:\forms\Quality Assurance\approved forms\NCRWO revC

DART AEROSPACE LTD	Work Order:	24582
Description: 206 Saddle, Inboard, Right side	Part Number:	D2666-2
Inspection Dwg: D2666 Rev. B		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2666 Rev. B and record below:

				R	ecorded Actu	ıal Dimensi	ons		
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
Α	0.100	0.140							
В	0.100	0.140							
С	0.100	0.140							
D	0.210	0.230							
E	1.245	1.255							
F	1.245	1.255		,					
G	5.990	6.010							
Н	0.510	0.515							
ı	1.674	1.684							
J	2.495	2.505							
K	0.257	0.262	DT8683						
L	0.312	0.317	DT8686						
М	0.235	0.240						9	
N	0.100	0.140				,	1210		
0	0.540	0.560					b '/		
Р	0.490	0.510				NW			
Q	3.609	3.619				V			
R	2.470	2.510			1				
S	0.240	0.270							
T	0.100	0.180							**
U	0.313	0.318	DT8686						•
V	1.125	1.145							
W	1.565	1.585	DT8695 A/B						
X									1
Υ									
Z					8				· · · · · · · · · · · · · · · · · · ·
AA									
AB									
AC									
AD					1 3				
AE								L	
AF								<u> </u>	
AG									
AH									
	Acc	ept/Reje	ct		<u> </u>			L	

Measured by:	0	Audited by J.L
Date:	06/01/13	Date: 06.01.13

Rev	Date	Change	Revised by	Approved
Α		New Issue	RF	
В	99.04.19	Incorporated DSI 9095, DSI 9102 & DSI 9122 Rev. A	RF	
C	99.11.10	Added Dim. R-T	RF	M
D	02.12.12	Reformat; Added Dim. U-W & DT8683, DT8686 & DT8695 A/B	KJ/RF	9





FINISH:

NOTE:



	DESIGN	DRAWN BY	DART AEROSPACE US	
	CHECKED	APPROVED	DRAWING NO. D2666	REV. B
ļ	DATE	1 1/	πLE .	SCALE
1	97.07.11		SADDLE FWD INSIDE HIGH	2:5
	Α	97.03.25	NEW ISSUE	
1	Ö	07:07:11	ANCLE AND NOTES ADDED	7

WORK OF LER

NO.24582

EFFECTIVE DEOs 9095 9122 97.07.11 | ANGLE AND NOTES ADDED 111/04 05 98112/14 9102 R1.245 98/05/04 0.050 x 45 CHAMFER (TYP) R1.135 0.063 0.110 0.250 SECTION A-A R0.50 0.625 1.808 0.550 1.679 R1.575 1.362 R0.375 (TYP) R1.685 2.500 0.797 **- 0.438** 1.000 ENGRAVE PART **#0.257** 0 NUMBER AND BATCH NUMBER 120 TO MAX DEPTH ¢0.313 0.922 0.500 0.110 OF 0.010 WITH RO.50 MIN RADIUS R0.250 OF 0.010 1.615 R0.525 Ø0.312 SHOF COPY RET'URN TO RELEASE 0.050 x 45" CHAMFER ALL AROUND 0.500 -ENG INCE 1.250 2.500 1.250 COMTR' EXN 008 6.000 SUBJECT 1. # CPODICIAS WITHCU. MATERIAL: 7075 T651 OR 7075-T7351 (QQ-A-250/12)

ACID ETCH, ALODINE PER DART QSI 005 4.1

D2666-1 SHOWN (D2666-2 IS OPPOSITE) BREAK ALL SHARP EDGES 0.010 TO 0.020

PRIME, PAINT (EXCEPT BORES) PER DART QSI 005 4.2

TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

Job Costing Report

Dart Aerospace Ltd. Hawkesbury

Oct 18, 2005 08:23 am

Work Order No : 0024582

Project Name Project For : D2666-2 Department Code: : WK543 Burden Flags : NNNNNNN WO Status : Open Work Order Type : Main

Invoice State : Not Invoiced Main WO Number

House Part Number: D2666-2 Invoice Date :

Description : Saddle, RH, Fwd, Aft, In Invoice Number : Invoice Amount: 0.00

Manufactured : Yes Amount Req'd:

Order Entry No :

Amount Req = 0
Amount Done : 0
: 10-17-05 OE Value : Start Date

Est Finish Date : 10-25-05 Act Finish Date :

Est Mark Up : 0.000% Actual Mark Up : 0.000% Drawings Reqd : No Ok for Approval :

Approval Rec'd : \$0 Posted to Finished Goods

		Estimated	Actual	Var. %	Posted	To Post
Material Cost Engineering Hours	:	0.00	0.00	0.00	0.00	0.00
Engineering Cost Production Hours	:	0.00	0.00	0.00	0.00	0.00
Production Cost Packaging Hours	:	0.00	0.00	0.00	0.00	0.00
Packaging Cost OverHead Hours	:	0.00	0.00	0.00	0.00	0.00
OverHead Cost CNC Hours	:	0.00	0.00	0.00	0.00	0.00
CNC	:	0.00	0.00	0.00	0.00	0.00
Misc. Hours Misc.	:	0.00	0.00	0.00	0.00	0.00
Burden	:	0.00	0.00	0.00		
Total Cost Mark up Selling Cost	: :	0.00	0.00	0.00		·

Actual Estimated 0.00 Labour Hrs/Amount Done : 0.00 0.00 0.00 Profits/(Loss)